

C1  
Covers  
coating is cross-linked in the presence of water or steam, wherein said polyethylene granulate comprises a polyethylene homopolymer and a copolymer of ethylene which is an ethylene butyl acrylate (EBA), an ethylene ethyl acrylate (EEA) or an ethylene methyl acrylate (EMA) each with a copolymer content of 10% - 35%, and wherein the copolymer content in the insulating coating on the cable is between 1 and 8% by weight.

C2  
5. (Twice Amended) A method as claimed in claim 4, wherein the regranulate provided with a catalyst or a catalyst batch is introduced into an extruder, extruded onto the electrical conductor, and the coating extruded onto the electrical conductor is cross-linked in the presence of water or steam.

C3  
6. (Thrice Amended) A method as claimed in claim 4, wherein the granular polyethylene homopolymer material alone is coated with the liquid cross-linking agent in a compounding system, melted, grafted, homogenized and subsequently regranulated, and the regranulate and a granular copolymer of ethylene, and a catalyst, are placed into an extruder, where the mixture is melted, homogenized and extruded onto the electrical conductor and cross-linked.

C4  
8. (Twice Amended) A method as claimed in claim 1, wherein a granular material of polyethylene homopolymer and copolymer of ethylene is placed into an extruder, a liquid mixture of silane, peroxide and possibly a stabilizer as well as a catalyst or a highly concentrated catalyst batch is likewise placed into the extruder, and the mixture is melted, grafted and homogenized in the extruder, and the grafted, homogenized material is extruded onto the electrical conductor and cross-linked in the presence of water or steam.